

Serial No. 09/670,626
Atty. Doc. No. 00P7928US

In the claims:

Please amend claims 1, 2, 7, and 8 to recite the following:

1. (Amended) A power generation system comprising:

a rotor; and

a stator positioned adjacent the rotor, the stator including a plurality of high voltage stator coils, each of the plurality of stator coils including a plurality of metal coil strands, a plurality of metal vent members positioned adjacent to the plurality of coil strands, and compact voltage grading means contacting at least one of the plurality of vent members and at least one of the plurality of metal strands for grading voltage between the plurality of vent members and the plurality of metal coil strands to thereby prevent an overvoltage condition.

2. (Amended) A power generation system comprising:

a rotor; and

a stator positioned adjacent the rotor, the stator including a plurality of high voltage stator coils, each of the plurality of stator coils including a plurality of metal coil strands, a plurality of metal vent members positioned adjacent to the plurality of coil strands, and compact voltage grading means contacting each of the plurality of vent members for grading voltage between the plurality of vent members and the plurality of metal coil strands to thereby prevent an overvoltage condition,

wherein the compact voltage grading means includes at least a first conductive strip member contacting a conductive portion of each of the plurality of vent members, a voltage grading layer of material positioned to contact the first conductive strip member, and at least a

B¹
mcd second conductive strip member positioned to contact the plurality of metal coil strands and the voltage grading layer to thereby provide an electrical flow path between the metal vent members and the metal coil strands.

B² 7. (Amended) A high voltage stator coil for a stator of a power generation system, the stator comprising:

- a plurality of metal strands;
- a plurality of vent members positioned adjacent the plurality of metal strands; and
- a low impedance shunt contacting at least one of the plurality of vent members and at least one of the plurality of metal strands for grading voltage between the vent members and the metal strands to thereby prevent an overvoltage condition

8. (Twice Amended) A high voltage stator coil for a stator of a power generation system, the stator comprising:

- a plurality of metal strands;
- a plurality of vent members positioned adjacent the plurality of metal strands; and
- a low impedance shunt contacting each of the plurality of vent members and the plurality of metal strands for grading voltage between the vent members and the metal strands to thereby prevent an overvoltage condition,

wherein the low impedance shunt includes at least a first conductive strip member contacting a conductive portion of each of the plurality of vent members, a voltage grading layer of material positioned to contact the first conductive strip member, and at least a second conductive strip member positioned to contact the plurality of metal strands and the voltage

B2
cancel

grading layer to thereby provide an electrical flow path between the vent members and the metal strands.
